

TRANSFORMER

ABSTRACT OF THE DISCLOSURE

5 A transformer includes a bobbin. The bobbin  
includes a first cylindrical member, and a second  
cylindrical member having a larger diameter than the  
first cylindrical member. The first cylindrical member  
and the second cylindrical member are integrally formed  
in a concentric arrangement with a gap therebetween. A  
first winding, implemented by an air-core coil, is  
10 inserted into the gap between the first and second  
cylindrical members of the bobbin, and serves as an input  
winding which allows a large current in association with  
a low voltage to flow therethrough. A second winding is  
wound on the second cylindrical member of the bobbin, and  
15 serves as an output winding which allows a small current  
in association with a high voltage to flow therethrough.